

# Synthetic Cathinones

AKA "Bath Salts" "Cloud Nine" "Flakka"



Extended "Bath Salts Panel" now offers 11 metabolites!

- Synthetic Cathinones are marketed as substitutes for stimulants such as Methamphetamine and Cocaine
- In 2012 President signed into law a ban on mephedrone, methylone, and MDVP, all chemicals found in bath salts.
- Produce a "high" similar to methamphetamine
- Great risk of overdose since packages are 200 to 500mg in a package

## Bath Salts Panel (Urine)

Naphyrone	Butylone
MDPV	Methyone
Pyrovalerone	4-methylethcathinone
Pentylone	Mephedrone
Alpha-PVP	



- New Designer drug emerging in high schools, posing as LSD
- No history of human use prior to 2010
- Thus far has killed 5 in the US
- Unregulated by Federal Law (Certain states are banning i.e. NY)
- Derived from Mescaline or Peyote Cactus

Sample Type: Urine  
Sample Amount: 15-30 ml  
Turnaround Time: 5-7 days

# Synthetic Cannabinoid Compounds

AKA "Spice" "Kush" "Super Hash"



ExperTox now has the capability to test for Synthetic Cannabinoids in hair via LCMSMS. Over 15 parent drugs are now being analyzed.



- DEA reports of "synthetic cannabinoids" - a type of new psychoactive substance (NPS) or synthetic drug - identified by federal, state, and local labs increased from 23 reports in 2009 to 37,500 reports in 2014
- The DEA proposed placing the chemical compounds AB-CHMINACA, AB-PINACA and THJ-2001 under Schedule I classification of the U.S. Controlled Substance Act
- Synthetic cannabinoids refer to a growing number of man-made mind-altering chemicals that are either sprayed on dried, shredded plant material so they can be smoked (herbal incense) or sold as liquids to be vaporized and inhaled in e-cigarettes and other devices (liquid incense)

## Synthetic Cannabinoids Extended Panel (Urine)

JWH-200	AKB48
JWH-398	MAM2201
JWH-210	ADB-PINACA
AM-2201	AB-FUBINACA
JWH-019	AB-PINACA
JWH-250	JWH-203
XRL-11	AB-CHMINACA
JWH-073	AM694
RSC-4	THU-2201
JWH-122	5-FLUORO-PB22
UR-144	BB-22
JWH-081	PB22

Sample Type: Urine  
Sample Amount: 15-30 ml  
Turnaround Time: 3-5 days

## Synthetic Cannabinoids Compounds (Hair)

AM694	JWH-122
AM2201	JWH-200
JWH-007	JWH-203
JWH-015	JWH-210
JWH-018	JWH-250
JWH-019	JWH-398
JWH-020	
JWH-073	
JWH081	

Sample Type: Hair  
Sample Amount:  
100 mg = 200 strands  
Turnaround Time: 3-5 days